

**Omaha Public Power District**  
444 South 16th Street Mall  
Omaha, Nebraska 68102-2247  
402/636-2000

October 5, 1995  
LIC-95-0177

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Station: P1-137  
Washington, D.C. 20555

- References:
1. Docket No. 50-285
  2. Letter from OPPD (W. G. Gates) to NRC (Document Control Desk) dated January 9, 1992 (LIC-91-319R)
  3. Letter from OPPD (W. G. Gates) to NRC (Document Control Desk) dated November 16, 1992 (LIC-92-299)
  4. Letter from OPPD (W. G. Gates) to NRC (Document Control Desk) dated October 7, 1993 (LIC-93-0251)
  5. Letter from OPPD (W. G. Gates) to NRC (Document Control Desk) dated October 26, 1994 (LIC-94-0227)

SUBJECT: Engineering Analysis for Emergency Diesel Generator Hot-Weather Testing at Fort Calhoun Station

In Reference 3, the Omaha Public Power District (OPPD) informed the NRC that an engineering analysis related to the Emergency Diesel Generator (EDG) hot-weather testing would be provided within 90 days of completion of the hot-weather testing at the Fort Calhoun Station (FCS). References 4 and 5 extended the performance of the EDG hot-weather testing due to the mild seasonal temperatures experienced at FCS.

The EDG hot-weather testing was completed for diesel generator DG-1 on July 11, 1995 and for DG-2 on July 12, 1995. Following the completion of the testing and transmittal of data, Calculation #FC05916, "Operating Temperature Limits for DG-1 and DG-2," was revised to include conclusions based on this testing. The new ambient temperature limits for the FCS emergency diesel generators are 110°F for DG-1 and 114°F for DG-2.

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Attached please find OPPD's Engineering Analysis EA-FC-90-062, Revision 3, "Diesel Generator Upper Temperature Limits" and the associated Calculation #FC05916, Revision 3, for the EDG hot-weather testing. Revision 3 of Engineering Analysis EA-FC-90-062 also includes an administrative change to Section 6.9.1 clarifying that the jacket water temperature is expected to be 208°F at some point in time twenty minutes or more after a cold start, per Reference 2.

If you should have any questions, please contact me.

Sincerely,



T. L. Patterson  
Division Manager  
Nuclear Operations

TLP/d11

Attachments: 1. Engineering Analysis EA-FC-90-062, R3  
2. Calculation #FC05916, R3

c: Winston & Strawn (w/o Attachments)  
L. J. Callan, NRC Regional Administrator, Region IV  
S. D. Bloom, NRC Project Manager  
W. C. Walker, NRC Senior Resident Inspector (w/o Attachments)